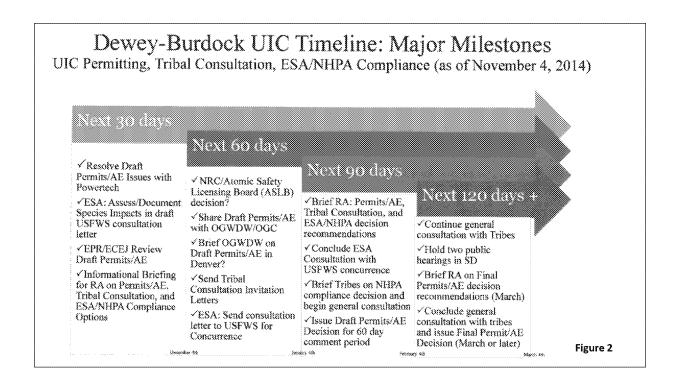
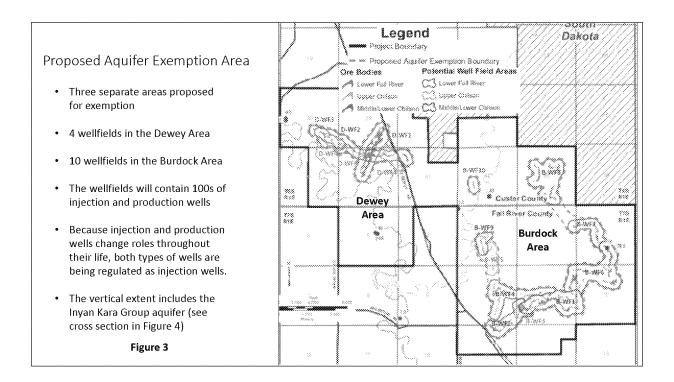


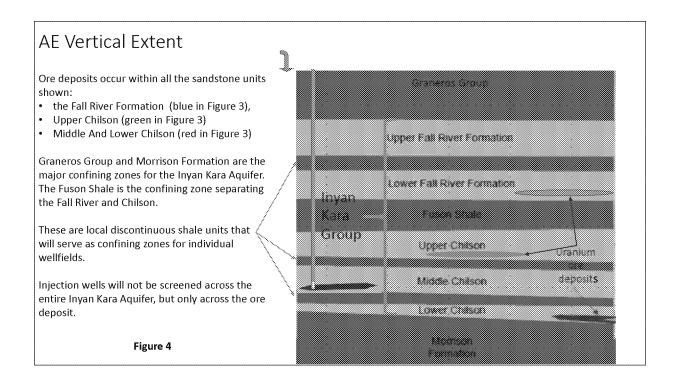
Dewey Burdock Project Site Location Map Pine Ridge Reservation shown in tan. National Forest Land shown in green.



Timeline for activities related to the UIC Permits



Wellfields color-coded according to the stratigraphic unit hosting the ore zone (see slide 4). The aquifer exemption boundary is the dashed green line. This figure also shows the Dewey Area and Burdock Area of the Project Site.



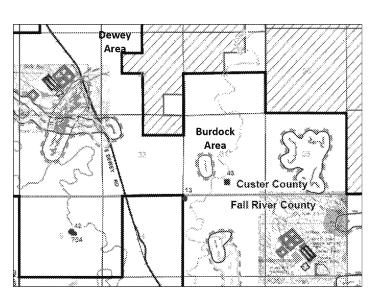


Figure 5

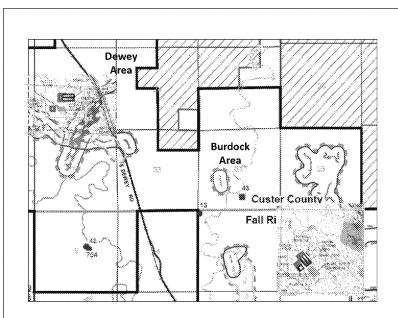
Cumulative effects analysis required for issuance of area permits includes evaluation of ponds storing treated waste fluid from Class III wells.

This pond design is for the land application of treated waste fluids under the SD DENR Groundwater Discharge Permit.

Land application will be used only if the Class V deep disposal wells cannot be used or their disposal capacity is not great enough to accommodate the volume of ISR waste fluids.

These ponds are subject to Clean Air Act Subpart W requirements.

The 6 ponds outlined in pink do not meet Subpart W requirements.

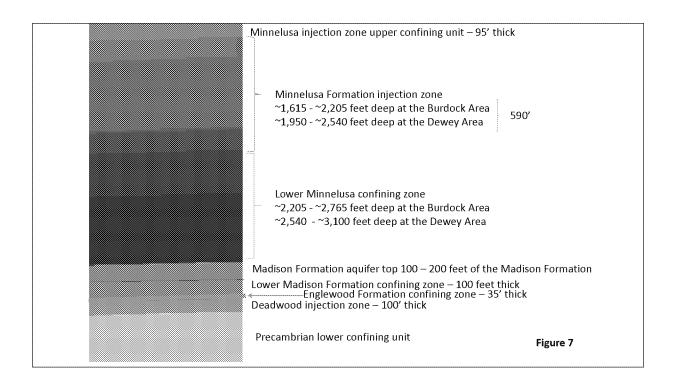


This pond design is for the Class V deep well disposal option for ISR process fluids wastes.

The 4 ponds outlined in pink store the treated waste fluids from the Class III wells which is also the Class V Injectate.

These ponds do not meet Subpart W requirements.

Figure 6



Class V injection zones and confining zones

Although the immediately overlying confining zone for the Minnelusa is about 95' thick, it is overlain by an additional 600' of aquitards with very low permeability.